Index of Claims

| <b>Applica</b> | tion/0 | Contro | I No |
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|                |        |        |      |

Applicant(s)/Patent under Reexamination

10/644,076

LUECKING ET AL.

Examiner

Art Unit

Brenda L. Coleman

1624

| √ | Rejected |
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| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
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| o | Objected |

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| Cla   | im   | Date         |          |          |          |          |              |              |              |          |  |
| Final | Original                                     | 10/27/05     |          |          |          |          |              |              |              |          |  |
|       | 1  | +            |          |          |          |          |              |              |              |          |  |
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|       | 3  | +            |          |          |          |          |              |              |              |          |  |
|       | 4  | +            | _        |          |          | L        |              |              | _            |          |  |
|       | 4<br>5<br>6                                  | +            |          |          |          |          | ļ            |              |              |          |  |
|       | 5  | +            | _        |          | _        | -        | _            | _            |              | Н        |  |
|       | 7<br>8                                       | +            | _        |          |          | H        |              | ⊢            | H            | Н        |  |
|       | 9  | +            | -        |          | H        | -        | -            | -            | <del> </del> | Н        |  |
|       | 10   | +            | _        |          | _        | $\vdash$ |              | H            | _            | Н        |  |
|       | 11   | +            |          |          |          |          |              | $\vdash$     | $\vdash$     | Н        |  |
|       | 12   | +            |          | _        | _        |          |              |              |              |          |  |
|       | 11<br>12<br>13<br>14<br>15<br>16             | +            |          |          |          |          |              |              |              |          |  |
|       | 14   | +            |          |          |          |          |              |              |              |          |  |
|       | 15   | +            |          |          |          |          |              |              |              |          |  |
|       | 16   | +            | L        |          | _        | _        | _            |              | <u> </u>     | _        |  |
|       | 17   | +            | <u> </u> |          | _        |          |              | _            | <u> </u>     | L.       |  |
|       | 18<br>19                                     | +            | -        | H        | _        |          | _            | ┝            | ┝            |          |  |
|       | 20   | +            | -        | -        | -        | -        | <del> </del> | ├            | ├─           | -        |  |
|       | 21   | +            | $\vdash$ |          | $\vdash$ |          | $\vdash$     | -            | ┝            |          |  |
|       | 22   | +            | ┢        |          | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     |          |  |
|       | 23   | +            | Г        |          | $\vdash$ | $\vdash$ |              |              |              |          |  |
|       | 24   |              |          |          |          |          |              |              |              |          |  |
|       | 21<br>22<br>23<br>24<br>25<br>26<br>27<br>28 |              |          |          |          |          |              |              |              |          |  |
|       | 26   | <u> </u>     | L        |          |          |          | _            |              |              | L        |  |
|       | 27   | <u> </u>     | _        | L.       | _        | L        |              | _            | <u>_</u>     | _        |  |
|       | 28   | <u> </u>     | _        | _        | _        | L        | <u> </u>     | <u> </u>     | <u> </u>     |          |  |
|       | 29<br>30                                     | -            | -        | $\vdash$ |          | _        | -            | <u> </u>     | -            | -        |  |
|       | 31   | -            | -        | -        |          | -        | _            | ┝            | -            | -        |  |
|       | 32   |              |          | -        |          | -        | -            | -            |              | $\vdash$ |  |
|       | 32<br>33                                     |              | _        |          |          |          |              | $\vdash$     | ┪            |          |  |
|       | 34   |              |          |          | Г        | Г        |              |              |              |          |  |
|       | 34<br>35                                     |              |          |          |          |          |              |              |              |          |  |
|       | 36   |              |          |          |          |          |              |              |              |          |  |
|       | 37   |              |          |          |          | L        |              | <u> </u>     | L            | Щ        |  |
| ·     | 38   | _            |          | _        |          | <u> </u> | <u> </u>     | _            | _            |          |  |
|       | 39   | H            | _        | $\vdash$ | <u> </u> | <u> </u> | L            | _            |              |          |  |
|       | 40   | <u> </u>     | $\vdash$ | $\vdash$ | H        | $\vdash$ | $\vdash$     | <u> </u>     | -            | ⊢⊦       |  |
|       | 41   | ├            | -        | $\vdash$ | -        | $\vdash$ | -            | -            | -            | $\vdash$ |  |
|       | 43   | -            | $\vdash$ | -        | $\vdash$ | $\vdash$ | -            | <u> </u>     | -            | Н        |  |
|       | 44   | <del> </del> | -        | $\vdash$ | -        | $\vdash$ | _            | <del> </del> | -            | Н        |  |
|       | 45   |              | Г        | Г        | $\vdash$ | $\vdash$ | Т            | $\vdash$     | $\vdash$     | М        |  |
|       | 46   |              |          |          |          |          |              |              |              |          |  |
|       | 47   |              |          |          |          |          |              |              |              |          |  |
|       | 48   |              |          | $\Box$   |          | oxdot    | Ц            |              |              | $\Box$   |  |
|       | 49   |              |          |          |          | Ш        |              | L            |              |          |  |
|       | 50   | 1            |          |          |          | ı        | 1            |              | 1            | ı        |  |

| Claim    | L            |          |          | [  | Date     | е            |            |              |  | [ | Cla   | im       |          |          |   |          | Date | • |        |          |           |
|----------|--------------|----------|----------|--|----------|--------------|------------|--------------|--|---|-------|----------|----------|----------|---|----------|------|---|--------|----------|-----------|
| =        | 5            |          |          |  |          |              |            |              | _  |   |       |          |          |          |   |          |      |   |        |          |           |
| Original | 10/27/05     |          |          |  | l        |              |            |              |  |   | Final | Original |          |          |   |          |      |   |        |          |           |
| ์   รั   | 0/2          |          |          |  |          | ŀ            |            |              |  |   | ίĒ    | )riç     |          |          |   |          |      |   |        |          |           |
|          | -            |          |          |  |          |              |            |              |  |   |       |          |          |          |   |          |      |   |        |          |           |
| 1        | +            |          |          |  |          |              |            |              |  |   |       | 51<br>52 |          |          |   |          |      |   |        |          |           |
| 3        | +            |          |          |  |          |              |            |              |  |   |       | 52       |          |          |   |          |      |   |        |          |           |
|          | +            |          |          |  |          |              |            |              |  |   |       | 53       |          |          |   |          |      |   |        |          |           |
| 5        | +            |          |          |  |          |              |            |              |  |   |       | 54<br>55 |          |          |   |          |      |   |        |          |           |
| 5        | +            | _        |          |  |          |              |            |              |  |   |       | 55       |          |          |   |          |      |   |        |          |           |
| 6        | +            | _        |          | L  | L        |              | <u></u> .  |              | _  |   | _     | 56       |          |          |   |          |      |   |        |          | $\Box$    |
| 7        | +            | _        |          | <u> </u>   | _        | $oxed{oxed}$ | $\Box$     | _            | L  |   |       | 57       |          |          |   |          |      |   |        |          |           |
| 8        | +            | L.       |          | L  |          | L            |            |              | _  |   |       | 58       |          |          |   |          |      |   |        |          |           |
| 9        | +            | L        |          | _  | 匚        |              |            |              |  |   |       | 59       |          |          |   |          |      |   |        |          |           |
| 10       | +            |          |          | _  | _        | _            |            | Ш            |  |   |       | 60       |          |          |   |          |      |   |        |          |           |
| 11       | +            | _        |          | _  |          |              |            | L            | _  |   |       | 61       |          | _        |   |          |      |   |        | Ш        |           |
| 12       | +            |          |          |  |          | _            | _          |              | <u> </u>   |   |       | 62       | Ш        | _        |   | Ш        |      |   |        |          |           |
| 13       | +,           |          |          |  |          | _            | $\Box$     | L            |  |   |       | 63       | Ш        |          |   | •        |      |   |        |          |           |
| 14       | +            |          | L_       | _  | <u> </u> | _            |            |              | <u> </u>   |   |       | 64       | Ш        |          |   |          |      |   |        |          | $\Box$    |
| 15       | +            |          | $\perp$  |  | L        | L            | L          |              | <u> </u>   |   |       | 65       | Щ        |          |   | _        |      |   |        |          |           |
| 16       | +            | L        |          | L  | _        | L.           |            | _            | <u> </u>   |   |       | 66       | Ш        | _        |   |          |      |   |        |          | $\Box$    |
| 17       | +            | <u> </u> |          | L  | ╙        | _            |            | <u> </u>     | <u> </u>   |   |       | 67       | Ш        | _        |   |          |      |   |        |          | _         |
| 18       | +            | Ļ        |          | <u> </u>   | _        | _            | lacksquare | <u> </u>     | _  |   |       | 68       | Ш        |          |   |          |      |   |        |          | Ц         |
| 19       | +            | _        |          | _  | _        | <u> </u>     | _          | <u> </u>     | _  |   |       | 69       | Ш        |          |   | _        | _    |   |        | Ш        | Ц         |
| 20       | +            | _        |          | ╙  | _        | _            | <u> </u>   | _            | _  |   |       | 70       | Ш        |          |   |          |      |   |        |          |           |
| 21       | +            | _        |          | _  | <u> </u> | _            |            | <u> </u>     | _  |   |       | 71       | Ш        |          |   |          |      |   |        | _        |           |
| 22       | +            | <u> </u> | L        | <u> </u>   | <u> </u> | _            | <u> </u>   | <u> </u>     | _  |   |       | 72       | Н        | _        |   | _        |      |   |        | _        | $\dashv$  |
| 23       | +            | _        |          | _  | _        | <u> </u>     | <u> </u>   | <u> </u>     | _  |   |       | 73       | Н        |          |   | _        |      |   |        |          |           |
| 24       | +            | _        | -        | _  | _        | _            | _          | <u> </u>     | <u> </u>   |   |       | 74       | Н        | _        |   | <u> </u> |      |   |        |          |           |
| 25       | ┼            | ⊢        | L        | ├  | ┝        | ⊢            | _          | <u> </u>     | ┝  | . |       | 75       | $\vdash$ | _        |   | <u> </u> | _    | _ |        | -        | $\dashv$  |
| 26<br>27 | +            | ⊢        | _        | <u> </u>   | ⊢        | ┢            |            | <u> </u>     | ├  |   |       | 76<br>77 | Н        | _        |   | <u> </u> |      |   | -      |          | $\dashv$  |
| 28       | ╫            | -        | -        | <del>                                     </del> | ├        |              | ├          | <del> </del> | ├  |   |       | 78       | Н        | $\dashv$ |   | -        | _    |   |        | Н        | $\dashv$  |
| 20       | +            | ⊢        | $\vdash$ | _  | ⊢        | ⊢            | ⊢          | ┝            | ├  |   |       | 70       | Н        | -        |   | _        |      |   | -      | $\vdash$ | $\dashv$  |
| 29<br>30 | ┼            | -        | H        | -  | -        | -            | <u> </u>   | -            | -  |   |       | 79<br>80 | $\vdash$ | _        |   |          | _    |   | -      | -        | $\dashv$  |
| 31       | <del>↓</del> | -        | -        |  | -        | _            | $\vdash$   |              | ├—   |   |       | 81       | $\vdash$ |          |   | -        |      | _ | -      |          |           |
| 32       | +            |          |          |  | -        | -            | -          |              | <u> </u>   |   |       | 82       | Н        |          |   |          |      |   |        | -        | -         |
| 33       | +            | -        | _        | <del> </del>                                     | -        | -            | $\vdash$   | -            | <del> </del>                                     |   |       | 82<br>83 | Н        | _        | _ | _        |      | - |        | $\dashv$ | $\dashv$  |
| 34       | ╁╌           | -        |          | ┢  | -        |              |            | $\vdash$     | ├  |   |       | 84       | Н        |          |   | -        | -    |   | H      | Н        | $\dashv$  |
| 35       | $\vdash$     | _        |          | ┢  | -        |              |            | -            | <del> </del>                                     |   |       | 85       |          | $\neg$   | _ | $\vdash$ | _    |   | -      | $\vdash$ | $\dashv$  |
| 36       | +            |          |          |  |          |              |            |              | $\vdash$   |   | -     | 86       |          | $\neg$   |   | _        |      |   |        | Н        | $\dashv$  |
| 37       | +            |          | -        | -  |          |              |            | -            | <del>                                     </del> |   |       | 87       | Н        |          |   |          |      |   |        | -        | $\dashv$  |
| 38       | $\dagger$    | -        |          | -  | _        |              | _          | -            | $\vdash$   |   |       | 88       |          |          |   | -        |      | _ |        |          | $\dashv$  |
| 39       | +            |          | $\vdash$ | _  | _        | $\vdash$     | _          | $\vdash$     | $\vdash$   |   |       | 89       | Н        | $\neg$   |   |          |      |   |        | -        | Н         |
| 40       | †            |          | H        | _  |          | ┢            |            | $\vdash$     | <del>                                     </del> |   |       | 90       | Н        |          |   | _        |      |   |        |          | $\neg$    |
| 41       | $\dagger$    | $\vdash$ | H        |  | $\vdash$ | H            | $\vdash$   | _            | ┢  |   |       | 91       | Н        |          |   | _        |      |   |        |          | $\dashv$  |
| 42       | +            |          | _        | 1  | $\vdash$ | _            | $\vdash$   | _            |  |   |       | 92       | П        |          |   | _        |      |   |        |          | $\neg$    |
| 43       | 1            | Г        |          |  | T        | 1            |            | _            | T  |   |       | 93       | П        |          |   |          |      | Т |        | П        | $\dashv$  |
| 44       | 1            |          | Г        |  |          | $\vdash$     |            | _            | ┌  |   |       | 94       | Н        |          |   |          |      |   | $\Box$ | П        | $\dashv$  |
| 45       | 1            | Γ        | Г        | _  | <u> </u> | $\vdash$     | Γ-         | $\vdash$     | Ι_   |   |       | 95       | П        |          |   | Г        |      |   |        | П        | $\dashv$  |
| 46       | T            | _        | Г        | _  | Τ        | Τ            |            | $\vdash$     | Г  |   |       | 96       | П        |          |   |          |      |   |        | $\sqcap$ | $\exists$ |
| 47       | 1            |          |          |  | <u> </u> |              |            |              | <u> </u>   |   |       | 97       | П        |          |   |          |      |   |        |          | $\dashv$  |
| 48       | 1            |          | Г        |  |          |              |            |              |  |   |       | 98       | П        |          |   |          |      |   |        |          | $\neg$    |
| 49       | 1            |          | Г        | Γ  |          |              |            | Г            | Γ  |   |       | 99       | П        |          |   |          |      |   |        |          |           |
| 50       | Т            |          |          |  |          |              |            |              |  |   |       | 100      | П        |          |   |          |      |   |        | П        | $\neg$    |
|          |              |          | _        |  |          |              |            |              |  |   |       |          |          |          |   |          |      |   | _      |          |           |

| Cla   | aim        | Date   |          |  |   |          |          |              |          |          |  |
|-------|------------|--|----------|--|---|----------|----------|--------------|----------|----------|--|
|       |            |  |          | Г  |   | Г        |          |              | Г        | П        |  |
| ā     | Original   |  |          |  |   | l        | ĺ        |              |          |          |  |
| Final | rig        |  |          | l  |   | l        |          |              |          |          |  |
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|       | 101        |  | _        | ┢  | Н   | $\vdash$ | $\vdash$ |              |          | Н        |  |
|       | 102        |  | _        | <del>                                     </del> | П   |          | $\vdash$ |              | Н        | Н        |  |
|       | 103        |  |          | -  | ┢   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | Н        |  |
|       | 104        |  | _        | -  |   | Н        |          |              |          | Н        |  |
|       | 105        |  | _        | _  | $\vdash$  | $\vdash$ | -        | $\vdash$     | $\vdash$ | $\vdash$ |  |
|       | 106        |  |          | -  |   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | Н        |  |
|       | 107        |  |          |  |   | Г        |          |              |          | П        |  |
|       | 108        |  | _        |  | _   | ┪        |          |              |          | Н        |  |
|       | 109        |  |          |  |   | İ        | $\vdash$ |              | _        | М        |  |
|       | 110        | _  |          |  |   |          |          |              |          | Н        |  |
|       | 111        |  |          |  | Г   |          | $\Box$   |              | Г        | П        |  |
|       | 112        | П  |          | Г  |   |          | Г        | Г            |          | Н        |  |
|       | 112<br>113 | Г  |          | Г  |   | Г        | Г        | $\Box$       |          | П        |  |
|       | 114<br>115 |  |          | Г  |   | Г        | Г        |              |          | П        |  |
|       | 115        |  |          | Г  |   |          | $\vdash$ |              |          |          |  |
|       | 116        | Г  |          | lТ   |   |          | <u> </u> | <b></b>      | Г        | П        |  |
|       | 117<br>118 |  |          | Г  |   | $\Box$   | Г        | Г            |          |          |  |
|       | 118        |  |          |  |   |          |          | Г            |          |          |  |
|       | 119        |  |          |  |   |          |          |              |          |          |  |
|       | 120        |  |          |  |   |          |          |              |          |          |  |
|       | 120<br>121 |  |          |  |   |          |          | Г            |          |          |  |
|       | 122        |  |          |  |   |          | Г        | П            |          |          |  |
|       | 123        |  |          |  |   |          |          | Г            |          |          |  |
|       | 123<br>124 |  |          |  |   |          |          |              |          |          |  |
|       | 125<br>126 |  |          |  |   |          |          |              |          |          |  |
|       | 126        |  |          |  |   |          |          |              |          |          |  |
|       | 127        |  |          |  |   |          |          |              |          |          |  |
|       | 128<br>129 |  |          |  |   |          |          |              |          |          |  |
|       | 129        |  |          |  |   |          |          |              |          |          |  |
|       | 130        |  |          |  | Ĺ   |          |          |              |          |          |  |
|       | 131        |  |          |  |   | oxdot    |          |              |          |          |  |
|       | 132        |  |          | _  |   | 匚        |          | $oxed{oxed}$ |          | Ш        |  |
|       | 133        | $ldsymbol{ld}}}}}}$ | _        |  |   | L        |          | $oxed{oxed}$ | L        |          |  |
|       | 134        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  | <u> </u> | <u> </u>   | _   | <u> </u> | <u> </u> | _            | _        | Ш        |  |
|       | 135        | L_   | L_       | <u> </u>   |   | <u> </u> | <u> </u> | 匚            | <u> </u> | Ш        |  |
|       | 136        | <b> </b>   |          | <u> </u>   | <u> </u>  | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | Ш        |  |
| ļ     | 137        | $\vdash$   | _        | <u> </u>   | $\vdash$  | $\vdash$ | ⊢        | <u> </u>     | <u> </u> | Щ        |  |
| ļ     | 138        | $\vdash$   | <u> </u> | ├  | $\vdash$  | <u> </u> | ⊢        | <u> </u>     | <u> </u> | Щ        |  |
| ļ     | 139        | <u> </u>   | <u> </u> | $\vdash$   | <u> </u>  | ⊢        | $\vdash$ | <u> </u>     | <u> </u> | Ш        |  |
|       | 140        | <u> </u>   | <b></b>  |  | <u> </u>  | <u> </u> | <u> </u> | <u> </u>     |          | $\sqcup$ |  |
|       | 141        | L.   | ļ        | <u> </u>   | <u> </u>  | <b> </b> | <u> </u> | <u> </u>     | <u> </u> | Щ        |  |
|       | 142        | $\vdash$   | <u> </u> | ⊢  | $\vdash$  | ⊢        | ⊢        | ⊢            | <u> </u> | Щ        |  |
|       | 143        | <u> </u>   | <u> </u> | ├_   | ⊢   | ⊢        | ⊢        | <u> </u>     | <u> </u> | Ш        |  |
| -     | 144        | <u> </u>   | <u> </u> | <u> </u>   | $\vdash$  | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | Щ        |  |
|       | 145        | <u> </u>   | <u> </u> | $\vdash$   | ┝   | <u> </u> | <u> </u> | ┞-           | <u> </u> | Щ        |  |
|       | 146        | $\vdash$   | _        | <u> </u>   | <u> </u>  | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | Щ        |  |
|       | 147        | <u> </u>   | _        | <u> </u>   | <u> </u>  | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | Ш        |  |
|       | 148        | Щ  | <u> </u> | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$   | $\vdash$ | _        | $\vdash$     |          | Ш        |  |
|       | 149        | Ш  | _        | <u> </u>   | $\vdash$  | <u> </u> | L        | <u> </u>     |          | Щ        |  |
| Ļ     | 150        |  |          | 乚  | $ldsymbol{ld}}}}}}$ |          |          | L            |          |          |  |